



RECEIVED

3/4

JUL 26 2002

underlined = deleted in targeting construct

TECH CENTER 1600/2900

BOLD = sequence flanking Neo insert in targeting construct

COPY OF PAPERS
ORIGINALLY FILED

GGCAGAACGGGCATAGTGGAACGGACCGTGTGGTATGCTCCGCGATGTCTGAGGCGACTT
GGTGGTACCGAGGAGGGACTTCAAAACATGACCTGCATTACAGAAGGGAAGCGGAGGTTA
ACACCACACTCGAGGAGTTGTTACTCTATTTTTATTTTCTTAATAAATCTATGCATATTGA
CTTTTGGGATGGTCAATCCACATATGTACTATTTAAACAAAGTTATGTCGTCTCTGTTTG
TGGACACTTCTCTACCTGATGATGAAAGAAGCAGCTTTAGGTCCATTTCGGAGCATAACTG
AGTTTGGAGTTTCATGGAAGGACCCCTCATCGACGGCTTGTACTGGGACTCGTGGTATG
GCACCAAACAGCTGTACAGTGTGAAGAACAGCAGCCGCATCTACTACGAGAACGTTCTTC
TCGGCATCCCCAGAGTGCGGCAACTGCGAGTCCGAAACAACACTTGCAAGGTCTACCCAG
CTTTCCAGTCCCTGGTCAGCGACTGCTACAGCAAGTACACAGTGGAAAAACGAAGACTTCT
CTGATTTTGGCCTCAAACGCAATCCAGAATGGACGCACACGCCCTTCTTCCCGCACTGCCC
CATGGCACTGGGGGTTTGTGGCGTATACCGAGATGGAGGATATATAGTCACGTTATCAA
AATCAAAATCTGAAACCAAAGCCAAATTTGTTGACCTTCGACTGAACAACCTGGATTAGCA
GAGGCACCAGGGCTGTTTTTATTGATTTCTCCCTGTACAATGCTAATGTCAACCTGTTTT
GCATCATCAGGCTGCTGGCAGAGTTCCCTGCGACGGGTGGGCTCCTCACCTCCTGGCAGT
TCTACTCTGTGAAGCTCCTCAGATACGTCTCTACTACGACTACTTCATTGCCTCCTGTG
AAGTCATATTTTGTATTTTCTCTTTGTCTTCATAATACAAGAACTGAGGAAAGTGAACG
AGTTTAAAGTCTGCCTATTTTCAAGAGTGTCTGGAACCTGGCTGGAGATGCTGCTCCTGCTGC
TCTGTTTCTCGCCGTGCTTTTCTATGCATACTGTAACATGCAGAGCTTTCTCTTGCTTG
GACAGTGTGAAAAACACTGACAGCTATCCCGACTTTTACTTCTTGCATACTGGCACA
TTTACTATAACAACGTAATTGCTATCATACTTCTTTTGCATGGATAAAGATATTCAAGT
TCATAAGCTTCAATGAGACAATGTGCGAGCTGTCATCAACACTCTCCCGCTGCATGAAGG
ACATCGTGGGGTTTCCCATCATGTTCTTCATCATCTTCTCTGCTTATGCCCCAGTTGGGAT
TTCTGGTTTTTGGGTACAGGTTGATGATTTTTCAACTTTTCAAATTTCCATATTTGCAC
AATTTTGAATTTGCTCCTCGGGGACTTTAACTTTGCTGGCATCCAGCAGGCCAACTGGATCT
TGGGGCCCCTACTTTCATCACGTTTCTCTTTGTGTTCTTTGTGCTCCTGAACATGT
TCTTGGCAATAATTAATGACACCTATTCTGAAGTTAAGGCTGATTATTCAATAGGCAGAA
GACCAGATTTTGAACCTGGTAAATAATTCAAAGAGTTGCTTTAATGTTCTCGAGAAAC
TCAGACTCAAGAAAGCTCAAGCTAAAGAAGAAAAGAAAATGCAAACCACTGACTTGGCCC
AGAGAGCCAGAAGAGAAGGCTTTGATGAAAGTGAGATCCAAGAGGCAGAGCAGATGAAAA
GATGGAAGGAAAGGCTTGAAAAAAGTATTATTCTACAGAAATTCAAGACGATTATCAGC
CTGTCACTCAGCAAGAATTCCGAGAGCTCTTTTTTATACGCGGTGGAGCTTGAGAAGGAAT
TACACTATGTGAGTTTAAACCTGAACCAACTGATGAGAAAGCTGCACCTAGCAGGCTGACA
AGTGGAGTCATTTTATAAGAAAAGGCAACCGAAGAATTTTCATTTCAGTATGAAGATTTTTT
CCTCTCAATTTTCTTTCAGTAATGCAAAAGAAAAACCAAAAAGTAACCAGAAGTGCTTTTT
ATTTCAAAGTTCTTGAAGTAAAAGAGTAAACCTTTGTCTTTGCTAACAGCCGTGCTGTG
CAGTAAACAATGAAGGAGCCTGCGTGTTCCTAAGTGTGGAGAGGATCTGCGGGAATGT
GGAACAGCTTTTCTTGGCTACTGGAACCACAAACAAGCACACAATGGGACTCTCTGAGTG
CCTGACAAAGTGAACGCAAGTACAGCCAAGCACACATGGTGAACCTGTCAGGGAACACAAG
CACTTTATGGCGTCAACTTTCAAGGAACATATTTTATATGGATTTTGAAGAGTCTTGTTT
GCTGATAAGAACTTCAAGAAGTCTAAGCTTGGCTTTGATTCTCTTGATTCCTTATATTC
CTCAAGCACCGGAACACGATCCTCCTTCTGGGCATTCTAGGGAAGATAAACTCTGTAA
AGCAAAAAAAGAAAAAAGAAAAA (SEQ ID NO:1)

FIGURE 3